

PATENT

Applicant: KENNETH A. GOLDBERG
Serial No.: 09/902,502
Filed: July 9, 2001
Title: METHOD AND APPARATUS FOR INSPECTING A EUV MASK BLANK
Group:
Examiner:
Docket No.: LBL-CIB-1572

**COMBINED DECLARATION AND POWER OF ATTORNEY**

(ORIGINAL, DESIGN, SUPPLEMENTAL, NATIONAL STAGE OF PCT, DIVISIONAL,
CONTINUATION OR CONTINUATION-IN-PART)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type:

- ☒ original (regular)
☐ design
☐ supplemental-continuation of PCT Application in the U.S.

NOTE: If the declaration is for an International Application being filed as a divisional, continuation, or continuation-in-part, do not check the next item; check appropriate one of last three items.

- ☐ national stage of PCT
☐ divisional
☐ continuation
☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all of the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention described in

SPECIFICATION IDENTIFICATION

- ☐ the specification filed herewith by the above-named inventors, with the title listed above.
- ☐ the specification filed herewith by the above-named inventors, with the title listed above, and which was amended by the Preliminary Amendment filed herewith.
- ☐ the specification identified above, as amended by the Preliminary Amendment filed herewith.
- ☒ the specification identified above, and which was amended on N/A.
- ☐ PCT International Application No. _____ filed on _____, and amended under PCT Article 19 on _____ (if applicable).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

PRIORITY CLAIM (35 U.S.C. § 119(a)-(d))

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or under 35 U.S.C. § 365(b) of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- ☒ no such applications have been filed.
- ☐ such application have been filed as follows.

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	FILING DATE (day, month, year)	PRIORITY CLAIMED UNDER 37 U.S.C. § 119	
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. § 119(e))**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional applications (s) listed below.

PROVISIONAL APPLICATION SERIAL NUMBER FILING DATE OF PROVISIONAL APPLICATION

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATIONS
UNDER 35 U.S.C. 120**

(complete this part only if this is a divisional, continuation, CIP or national stage of PCT)

I/We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability under 37 C.F.R. § 1.56, which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS
DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:**

1. U.S. Applications:

SERIAL NUMBER	FILING DATE

2. PCT Applications Designating The U.S.

PCT APPLICATION NUMBER	PCT FILING DATE	U.S. SERIAL NUMBER

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

John P. O'Banion
James M. Ritchey
Steven L. Smith
Rodger H. Rast

Registration No. 33,201
Registration No. 32,594
Registration No. 44,343
Registration No. 45,853

Attached as part of this declaration and power of attorney is the authorization of the above-named attorney to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO:

John P. O'Banion
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814

DIRECT TELEPHONE CALLS TO:

John P. O'Banion
(916) 498-1010

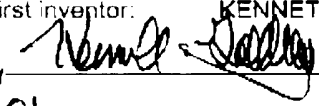
DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Full name of sole or first inventor:

KENNETH A. GOLDBERG

Inventor's Signature: 

Date: 9/28/01

Country of Citizenship: UNITED STATES

Residence:

BERKELEY, CALIFORNIA

P.O. Address:

1174 ARCH STREET
BERKELEY, CA 94708

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART
OF THIS DECLARATION

- ☐ Signature for third and subsequent joint inventors.
Number of pages added _____.
- ☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or
incapacitated inventor.
Number of pages added _____.
- ☐ Signature for inventor who refuses to sign or cannot be reached by person authorized
under 37 CFR 1.47.
Number of pages added _____.
- ☐ Signature by one joint inventor on behalf of deceased inventor(s) where legal
representative cannot be appointed in time under 37 CFR 1.47.
Number of pages added _____.
- ☐ Authorization of attorney(s) to accept and follow instructions from representative.

☒ This Declaration ends with this page.



The United States Patent and Trademark Office mail room stamp hereon acknowledges receipt of the following items:

For: METHOD AND APPARATUS FOR INSPECTING AN EUV MASK BLANK
In the names of KENNETH A. GOLDBERG
Serial No. 09/902,602

1. Submission of Missing Parts of Application (Page 1 thru 3);
2. Notice to File Missing Parts of Application Filing Date Granted (Page 1 & 2);
3. Combined Declaration and Power of Attorney (Page 1 thru 5);
4. Power of Attorney by Assignee and Exclusion of Inventors Under 37 C.F.R. 3.71 (Page 1);
5. Assignee Certification Under 37 C.F.R. 3.73(b) (Page 1);
6. Check in the amount of \$1,548 (\$1,418 filing fees and \$130 surcharge for the fees due as a large entity);
7. Assignment (Document) Cover Letter (Page 1 thru 3);
8. Assignment (Page 1 & 2) and;
9. Check in the amount of \$40 assignment recording fee.

Date Mailed: 11/22/01
Attorney: John P. O'Banion
Docket No.: LBL-CIB-1572

THE UNITED STATES PATENT AND TRADEMARK OFFICE



John P. O'Banion
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814

5399

WELLS FARGO BANK
SACRAMENTO, CA 95814
91-119/121

10/22/2001

John P. O'Banion
O'BANION & RITCHEY LLP
400 CAPITOL MALL, SUITE 1550
SACRAMENTO, CA 95814
(916) 498-1010



\$ **1,548.00

PAY TO THE ORDER OF Commissioner of Patents and Trademarks

One Thousand Five Hundred Forty-Eight and 00/100 ***** DOLLARS

LBL-C'B-1572

09/902,502

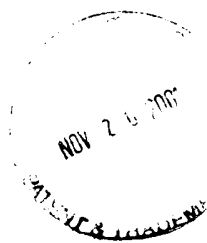
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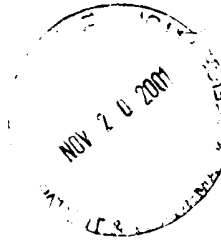
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PATENT

Docket No.: LBL-CIB-1572

Applicant or Patentee: KENNETH A. GOLDBERG
Serial or Patent No.: 09/902,502
Filed or Issued: JULY 9, 2001
For: METHOD AND APPARATUS INSPECTING AN EUV MASK BLANK
Group:
Examiner:

**POWER OF ATTORNEY BY ASSIGNEE
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71**

Dear Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoints

John P. O'Banion, Reg. No. 33,201

as its attorney to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. 3.71.

An assignment of the entire interest in the above-identified subject application:

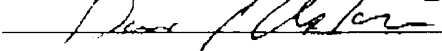
- ☐ was recorded on _____ at reel/frame _____.
- ☒ Is submitted herewith for recording.

Please direct all telephone calls to John P. O'Banion at (916) 498-1010 and all correspondence relative to said application to the following address:

**John P. O'Banion, Esq.
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814**

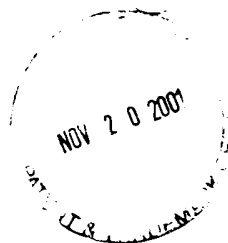
Dated: 8/14/01

ASSIGNEE: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Signature: 

Typed Name: DAVID J. ASTON

Title: Manager, Patent Department
Lawrence Berkeley National Laboratory
One Cyclotron Road, M/S 90-1121
Berkeley, California 94720



PATENT

Docket No.: LBL-CIB-1572

Applicant or Patentee: KENNETH A. GOLDBERG
Serial or Patent No.: 09/902,502
Filed or Issued: JULY 9, 2001
For: METHOD AND APPARATUS FOR INSPECTING AN EUV MASK BLANK
Group:
Examiner:

ASSIGNEE CERTIFICATION UNDER 37 C.F.R. 3.73(b)

In accordance with 37 C.F.R. 3.73(b), the assignee hereby certifies that the evidentiary documents with respect to its ownership have been reviewed and that, to the best of the assignee's knowledge and belief, title is in the assignee seeking to take this action

Dated: 8/14/01

ASSIGNEE: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Signature: David J. Aston

Typed Name: David J. Aston

Title: Manager, Patent Department
Lawrence Berkeley National Laboratory
One Cyclotron Road, M/S 90-1121
Berkeley, CA 94720

5400

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10/22/2001

John P. O'Banion
O'BANION & RITCHEY LLP
400 CAPITOL MALL, SUITE 1550
SACRAMENTO, CA 95814
(916) 498-1010

PAY TO THE ORDER OF Commissioner of Patents and Trademarks

\$ **40.00

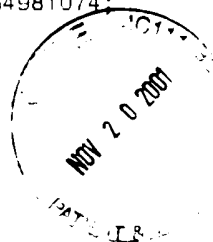
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[Signature]

NOV 20 2001



PATENT

Attorney Docket No. LBL-CIB-1572

Applicant: KENNETH A. GOLDBERG
Serial No.: 09/902,502
Filed: JULY 9, 2001
Title: METHOD AND APPARATUS FOR INSPECTING AN EUV MASK BLANK
Group:
Examiner:

BOX ASSIGNMENT

Assistant Commissioner for Patents

Washington, D.C. 20231

ASSIGNMENT (DOCUMENT) COVER LETTER

PATENT OR PATENT APPLICATION

1. NAMES OF PARTY(IES) MAKING TRANSFER

Name 1: KENNETH A. GOLDBERG

2. IDENTITY OF PARTY(IES) TO WHOM TRANSFER IS MADE

This transfer is being made to:

Name: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
Address: 1111 FRANKLIN STREET, 12TH FLOOR
OAKLAND, CA 94607-5200

3. INTENTION OF DOCUMENT

A brief description of what the accompanying document intends to accomplish is that it is an:

- ☒ Assignment
☐ License
☐ Security Interest
☐ Other

4. IDENTIFICATION OF PATENT OR APPLICATION

Particulars of the patent or application to which the accompanying document applies are:

Inventor(s): KENNETH A. GOLDBERG

For (title): METHOD AND APPARATUS FOR INSPECTING AN EUV MASK BLANK

(a) ☐ U.S. patent application filed herewith.

(b) ☒ U.S. patent application serial no. 09/902,502 filed on JULY 9, 2001.

(c) ☐ U.S. patent no. _____ issued _____.

5. NAME AND ADDRESS TO WHICH CORRESPONDENCE SHOULD BE MAILED

Please address all correspondence and return the recorded document to:

John P. O'Banion
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814

6. NUMBER OF APPLICATIONS OR PATENTS IDENTIFIED AND TOTAL FEE DUE

The number of applications or patents identified herein is: 1

Total Fee Due \$ 40.00

7. DATE DOCUMENT WAS EXECUTED

The accompanying document was executed on: July 11, 2001.

8. FEE PAYMENT

Fee payment is provided for as follows:

☐ New Application transmittal (Item 18 - INCLUDED IN FILING FEE)

☐ FWC Transmittal (Item VII)

☐ Transmittal of Filing under 37 CFR 1.60(b) (Item 11)

☒ Attached is a check in the sum of \$40.00

X Charge Account No. 07-1137 If any additional fee is due.

___ Charge Account No. ___ in the sum of ___ A duplicate of this transmittal is attached.

9. **STATEMENT OF AUTHENTICITY**

The undersigned certifies that, to the best of his or her knowledge and belief, the information contained in this cover sheet is true and correct, and any copy of the document submitted for recording is a true copy of the original document.

10. **SIGNATURE**

Dated: October 22, 2001



John P. O'Banion, Reg. No. 33,201
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814
(916) 498-1010

PATENTAttorney Docket No LBL-CIB-1572**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

Name: KENNETH A. GOLDBERG
Address: 1174 ARCH STREET
BERKELEY, CA 94708

Nationality: UNITED STATES

hereby sell(s), assign(s) and transfer(s) to ASSIGNEE.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, A CALIFORNIA CORPORATION, 111 FRANKLIN STREET, 12th Floor, OAKLAND, CA 94607-5200.

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

METHOD AND APPARATUS FOR INSPECTING AN EUV MASK BLANK

and which is found in

- (a) ☐ U.S. provisional patent application filed herewith and listing the above named person(s) as inventor(s).
- (b) ☐ U.S. patent application filed herewith listing the above named person(s) as inventor(s).
- (c) ☒ U.S. patent application serial no. 09/902,502, filed on JULY 9, 2001.
- (d) ☐ U.S. Patent No.: _____, issued _____.

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and

AND the ASSIGNOR(S) request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, the Regents of the University of California.

Date:

9/28/01

Inventor:


KENNETH A. GOLDBERG